Title (en)

METHOD OF CALIBRATING AN ANALOGUE CONTACT PROBE AND METHOD OF TRANSFORMING A PROBE SIGNAL FROM AN ANALOGUE CONTACT PROBE INTO A SPATIAL MEASUREMENT VALUE

Title (de)

VERFAHREN ZUM KALIBRIEREN EINES SCANNENDEN MESSTASTERS UND VERFAHREN ZUM UMWANDELN EINES MESSSIGNALS EINES SCANNENDEN MESSTASTERS IN EINEN RÄUMLICHEN MESSWERT

Title (fr)

PROCEDE D'ETALONNAGE D'UN PALPEUR ANALOGIQUE ET PROCEDE DE TRANSFORMATION D'UN SIGNAL DE MESURE PROVENANT D'UN PALPEUR ANALOGIQUE EN UNE VALEUR DE MESURE SPATIALE

Publication

EP 3542130 B1 20240103 (EN)

Application

EP 17797712 A 20171109

Priority

- EP 16275164 A 20161116
- GB 2017053379 W 20171109

Abstract (en)

[origin: WO2018091867A1] A method of calibrating a contact probe having a deflectable stylus and configured to provide at least one signal which is indicative of the extent of deflection of the stylus, the contact probe being mounted on a coordinate positioning machine which facilitates reorientation of the contact probe about at least one axis. The method comprises: taking measurement data obtained with the contact probe positioned at a plurality of different orientations about the at least one axis; and determining from the measurement data at least one gain variation model which models any apparent variation in the gain of the at least one probe signal dependent on the orientation of the contact probe about the at least one axis.

IPC 8 full level

G01B 21/04 (2006.01); **G01B 5/008** (2006.01); **G05B 19/401** (2006.01)

CPC (source: EP US)

G01B 5/008 (2013.01 - EP US); **G01B 21/042** (2013.01 - EP US); **G01B 21/045** (2013.01 - EP); **G05B 19/401** (2013.01 - EP US); G05B 2219/37193 (2013.01 - EP US); G05B 2219/39019 (2013.01 - EP US)

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